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User's Manual

FL400

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Thank you for purchasing **MPIO FL400**. FL400 is a digital audio player that enables users to play back music conveniently and utilize it for various purposes. To use this product properly, make sure to read through this manually before using it.

http://www.mpio.com
For more information on the MPIO products, visit our web site on the Internet. You can find many answers to the customer's various enquiries, or upgrade the product performance through firmware upgrade (system software) that operates this product.

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Disclaimer

- Manufacturer and sales office do not bear any responsibility over the accidental damage that accompanies the injury to the user, which is caused by improper usage of this product.
  The contents of this manual are based on the product status at the time of sales and can be changed without a prior notice for continuous performance improvement and additional function supplementation in the future.

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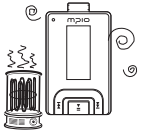
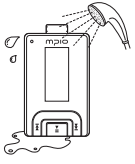
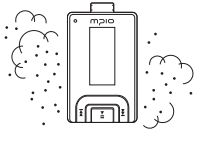
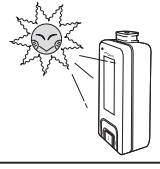
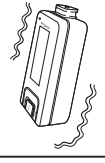
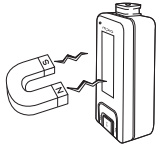
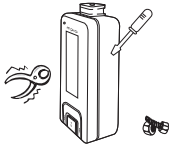
The following information is for protecting the user's safety and any property damages.
Please read the following information and use the product accordingly.

Do not use in high temperature(near heating device or heat generators). 	Do not use in minus zero temperatures or outdoors during winter (operating temperature 0˚C~40˚C).	Do not leave in humid areas or frequently flooding areas. 
Do not leave in dusty areas. 	Do not leave inside vehicles or under direct sunlight. 	Avoid shaky areas. 
Avoid magnetic objects. 	Avoid strong impact to prevent disassemble or data loss.	Never disassemble, repair or reorganize. 

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Be careful of foreign substances entering the product interior. E.g.) Paper clips, paper, water, drinks, etc.	When removing foreign substances from the product surface, always use a soft cloth or a towel. Do not use chemical solvents.

User Safety

1. Traffic safety
   - Do not listen to music using headphones or earphones when riding a bicycle, motorcycle, or driving a vehicle. It is dangerous and it may be against the law in some regions.
   - Reduce the headset or earphone volume when listening to music or FM while you're walking. There is a risk of an accident.
2. Hearing Protection
   - Do not use headphones or earphones for a long period of time. Professionals suggest that long use of all portable audio devices may have a possibility of causing hearing loss.

Data Storage

1. MPIO Co., Ltd. will not be responsible for data loss or damages occurred while transferring data between the product and a PC.
2. **When storing important data, please make a back-up copy. The data may be damaged due to malfunction or other elements such as outer impact or lack of battery. Please note that in case of data loss, MPIO Co., Ltd. will not be responsible for the lost data.**
3. When inserting/removing the USB plug into a computer, please do so by holding the plug.
4. When the product is connected to a computer, please do not cause impact or shake the connector.
5. You should back up the data saved in the product before requesting the after service. MPIO will consider that the customers have backed up their data before sending it to MPIO for after service. MPIO will not back up your data upon receiving the after service request. Additionally, MPIO will bear no responsibility over data loss during the service.

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■ Product Features

Digital audio player with a simple design that everybody can use with ease.

- **A compact, super-slim, high-capacity digital audio player.**
  It's a product that is newly designed with a compact necklace concept and put on the way you would jewels or accessories.
- **Supports USB 2.0 high-speed data transmission.**
  Data can be transferred and used faster and more conveniently using USB 2.0 interface.
- **Supports USB mass storage**
  MP3 player can be used as a removable disc. You can save and use the data conveniently at any time and place.
- **Supports playback of multiple formats and DRM-applied file**
  Not only does it play MP3, WMA, ASF, and OGG files, but it also plays DRM files that you buy online.
- **FM radio function**
  Besides simple listening to the FM radio, channel saving and automatic preset functions are also provided.
- **Supports voice recording and FM recording**
  Voice and FM can be recorded.
- **Supports a 7-setting EQ and a Spatializer UltraMobile HD.**
  Offers Normal, Pop, Rock, Jazz, Classic, and Vocal modes and an EQ menu that the users can set the way they want. It also supports a Spatializer UltraMobile HD to offer 3D sound effects and rich sound.
- **Provides Real Player**
  License Real Player program is bundled with this product, which enables to author MP3 file and use the music library.

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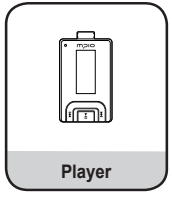
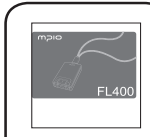
■ Components


Player



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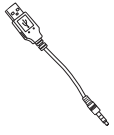
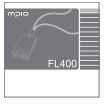
Product Warranty

Installation Driver CD


USB Connector

Connection clip

Necklace Earphones



Quick guide

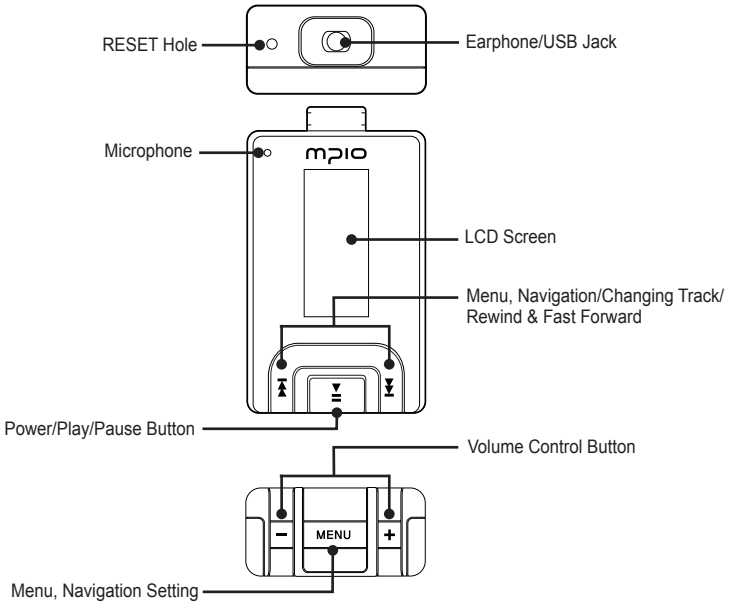
Additional components

USB extension cable

Additional components (Additional components can differ depending on the sales area.)

Note

- Actual player may vary slightly from images shown, and subject to change without notice.
- Broken accessories may be purchased separately at MPIO Service Center.



Note

- You can initialize it by pressing the reset hole with a fine pin.
- When you reset, all settings revert to the default settings.

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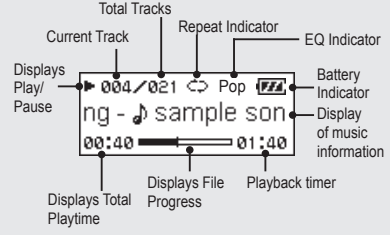
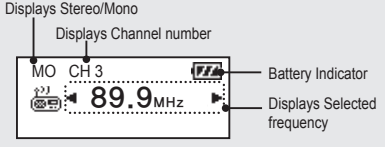
LCD Screen

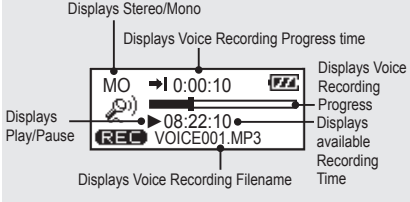
Music Screen



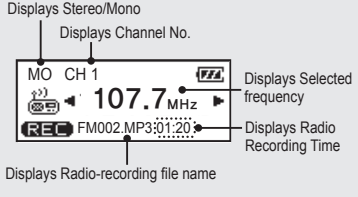
Radio Screen



Voice Recording Screen

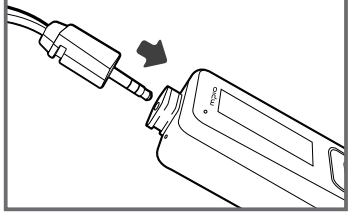


Radio Recording Screen

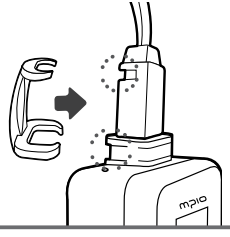


Connecting the Necklace Earphones

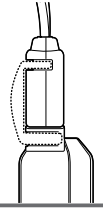
1 Insert the earphones in the direction of the arrow.



2 Connect the connection clip so that it goes into the indention.

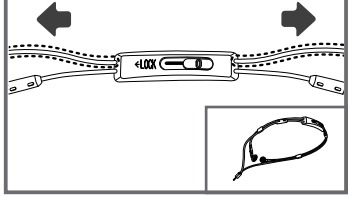


3 Inserting the connection clip safely holds the earphones so that they don't fall out when you wear the necklace earphones.

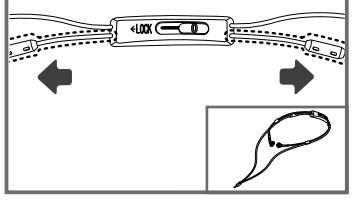


Using the Necklace Earphones Strap

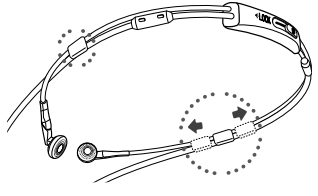
1 When you want to make the strap shorter, hold the necklace strap in the direction of the arrow as in the figure.



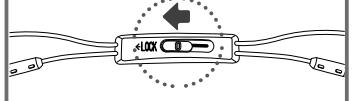
2 When you want to make the strap longer, hold the necklace strap in the direction of the arrow as in the figure.



3 Adjust the loops on both sides correctly.



4 As in the figure, please press the switch in the direction of the arrows without moving the adjusted strap.



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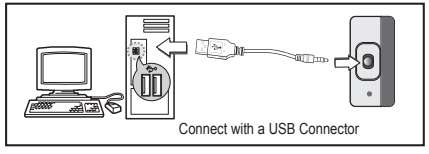
Charging the battery while the power is on/off

If the charge is insufficient, the low battery message appears on the LCD window, and you must charge the battery.

1 When you turn on and off, connect the product to the USB port on the computer with the USB connector as in the figure.

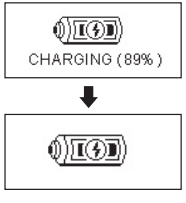


2 The USB connector connection screen is displayed on the LCD window.

USB connection screen when the power is ON/OFF

3 When the USB connector is connected and no data is transferred from the portable disk, a **CHARGING** message appears on the LCD and the battery starts to charge. After the battery is fully charged the following figure will be displayed.

- Before using for the first time charge for more than 2 hours.
- Charging time: 1 hour.



Note

- Playtime capacity is a maximum of 9 hours.
- Playtime and charging time may differ depending on the user's computer environment.
- Please remove the USB connector when it is not in use for charging or for a removable disc.

About the Internal Rechargeable Battery

- Battery can be charged at any time but we recommend the battery to be fully charged before use.
- If the battery usage time is shorter compared to the charging time, this means the battery must be changed.
- Please fully charge the battery at initial use or after it has not been used for a long period of time.
- The built-in battery is expendable, therefore the battery usage time will gradually reduce after purchase.
- Always charge and store the produce at room temperature.
- The battery is not fully charged when the product is purchased. Please fully charge the product before use.
- The battery usage time will differ depending on how the product is used and how long, usage temperature, and other environmental matters.

Note

- Contact MPIO Service Center for replacing the internal battery.

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System Requirement

- **IBM PC**
  System: USB Interface 2.0, Standard device and a CD-ROM Drive equipped
  CPU: Pentium 133MHz or faster
  Memory: 64MB or more
  Hard disk space: 20MB or more
  Supported Operating Systems: Windows 98 / 98SE / ME / 2000 / XP

- **Macintosh**
  System: USB Interface 2.0, Standard device and a CD-ROM Drive equipped
  Ex.) Power Mac G3 (Blue & White) / G4 / G4 Cube, iMac / iBook, PowerBook, PowerBook G4
  Memory: 64MB or more
  Hard disk space: 20MB or more
  Supported Operating Systems: Mac OS version 9.2 or later

Caution

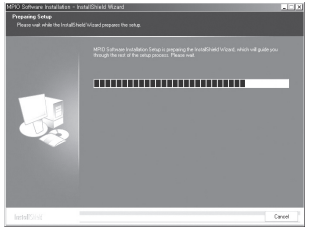
- Connection using USB Hubs or extension cables is not guaranteed.

Note

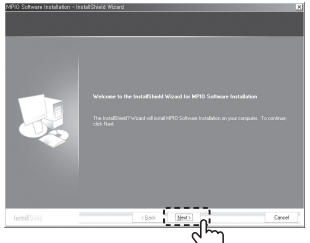
- In Windows 98 / 98SE, the program must be installed to use FL400 as a removable disk. Please install the USB drivers before use.
- In Windows ME, 2000, XP, FL400 may be used as a Removable Disk without any separate programs. FL400 is accessible though the Windows Explorer.
- To format, or upgrade the firmware of FL400 in Windows 98, 98SE, ME, 2000 or XP, please install the MPIO Utility.

Installing the Software

1 Insert the Installation CD into the CD-ROM Drive. The installation will auto-start and the installation will begin as shown in right. If the installation doesn't auto-start, double-click the CD-ROM icon in Windows Explorer.



2 Click the **[Next]** button.



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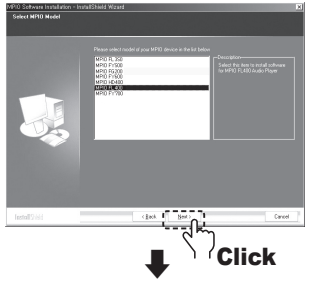
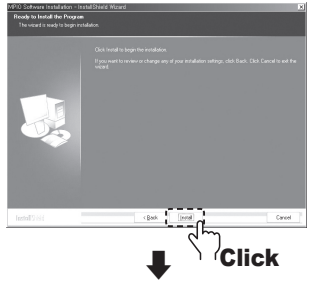
3 After selecting **[FL400]**, click the **[Next]** button.



4 Click the **[Next]** buton. All the utility programs will be installed. The user can select the programs needed to install. But, the following items must be installed.
- Windows 98 Device Driver
(For Windows 98/98SE user's only)
- MPIO Utility
- Windows Media Player Plug-in

5 Click the **[Install]** button to install the selected utilities in order.



6 Click the **[Finish]** button to finish the installation.
Check the MPIO Utility icon on the desktop to confirm installation.

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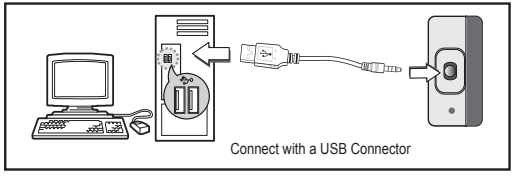
Connect with a USB Connector

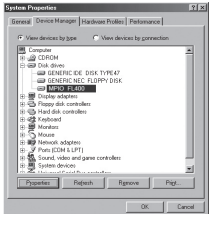
1 As in the figure, connect the product to the USB connection port on the computer with the USB connector.
- Removing USB connector while initializing when you install the USB driver or executing a command may cause malfunctioning of the computer.



Connect with a USB Connector

2 The USB Driver will be installed with a message indicting “Looking for a New Device”. The installation screen may not appear. Check the Device Manager to confirm the installation.

Confirming USB Installation
- Windows 98/ME:
  [Control Panel] → [Systems] → [Device Manager] → [Hard Disk Controllers] → MPIO FL400 USB Device
- Windows 2000/XP:
  [Control Panel] → [Systems] →[Hardware]→[Device Manager] →[Disk Drives]→ MPIO FL400 USB Device



Note

- If the system operating under Windows 98/98SE don’t connect with FL400 automatically, install the USB Driver manually by referring to “Installing USB Driver Manually”.

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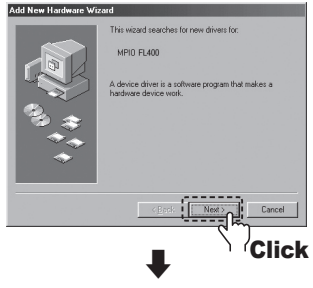
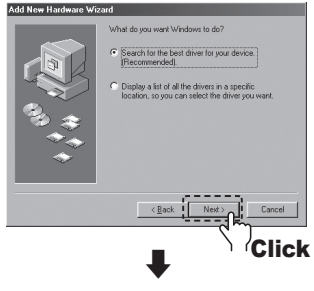
Please refer to the below only if the device is not plugged with Windows 98/98SE.

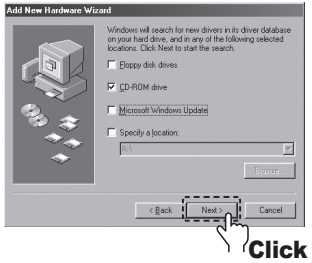
1 Connect FL400 with a computer with the USB connector. When “**Add New Hardware Wizard**” window appears on the screen as shown in right, click the **[Next]** button.


Add New Hardware Wizard
This wizard searches for new drivers for:
MPIO FL400
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel
Click

2 Check “Search for the driver for your device”, click the **[Next]** button.

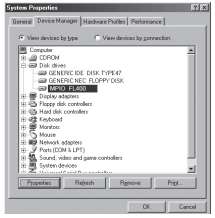

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended)
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel
Click

3 Insert the CD included in the package into the **CD-ROM**, check “CD-ROM DRIVE” and click the **[Next]** button.


Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
Browse...
< Back
Next >
Cancel
Click

4 When the driver installation is completed, an “Installation complete” window will appear on the screen. Then, click the **[Finish]** button.

Go to the following destination to confirm that the installation was completed successfully.



- Windows 98/ME:
  [Control Panel] → [Systems] → [Device Manager] → [Hard Disk Controllers]→ MPIO FL400 USB Device

Note

- In Windows 98 / 98SE, the program must be installed to use FL400 as a removable disk. Please install the USB drivers before use.

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File Download / Upload / Delete

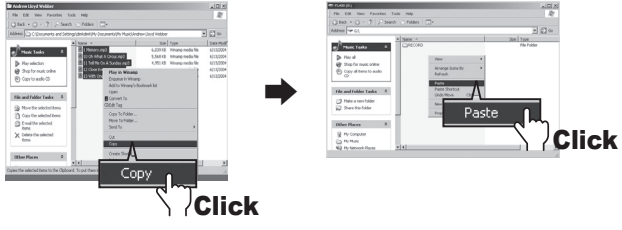
1 You can connect the product to the PC with the USB connector while the product is on or off.
- If connected, a connection icon will appear in the LCD screen.

Connect with a USB Connector

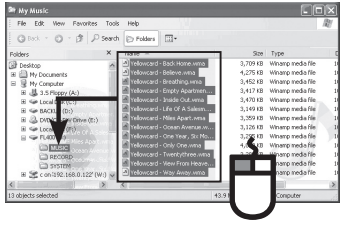
2 Run Windows Explorer on the PC
- A Removable Disk Drive Icon will be created in Windows Explorer.

3 The user can store, delete data and create a folder in the same way as a hard drive. Copy & Paste, Drag & Drop commands can be used in the same way to store data.

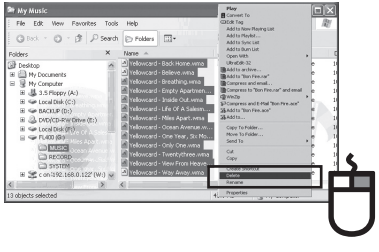
Copy & Paste: Select the data to store, click on right mouse button. Select “**Copy**” and then “**Paste**” in the Removable Disk drive.



Drag & Drop: Select the data store, click and hold down the left mouse button to drag the files into the Removable Disk drive, and then release the left mouse button.



File Deletion: After selecting the data you want to delete, click the mouse to select **[Delete]**.
The selected file or folder is deleted.



Caution

- If the USB connector is disconnected while a file is being uploaded or downloaded, the device may malfunction.
- The music file display order in Windows Explorer when you select a removable disc can be different from the actual playback order.
- If you rename music files like 001***, 002***… in Windows Explorer, you can play them back by the order of number in the file name.

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Disconnecting the USB Connection

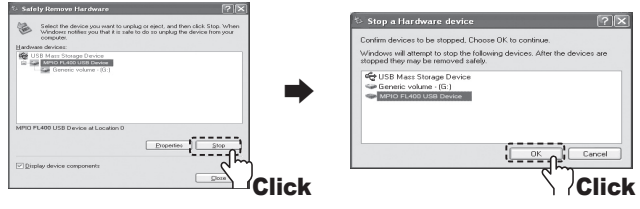
It is recommended that you follow these directions for separating the device from the PC safely. If these instructions are not followed, it may result in data damage or product malfunction.

Windows 98 / 98SE Users
There is no Safely Remove Hardware command in Windows 98 / 98SE. The user must wait until the file/data transfer is complete, and then disconnect the USB Connector.

1. Place mouse cursor on “Stop a Hardware Device” icon in the system tray, and click right mouse button.

2. Select “**Stop USB Mass Storage Device**”.

3. Select **USB Mass Storage Device** from the list of hardware, and click the **[Stop]** button. When the “Stop a Hardware Device” window appears, select **MPIO FL400 USB Device**. Then, click the **[OK]** button and disconnect the USB Connector.

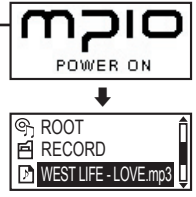

Safely Remove Hardware
MPIO FL400 USB Device at Location 0
Properties
Stop
Close
Click
Stop a Hardware device
Confirm devices to be stopped, Choose OK to continue.
Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.
USB Mass Storage Device
Generic volume - (G:)
MPIO FL400 USB Device
OK
Cancel
Click

Note

- In Windows 2000, disconnect the USB connector by clicking the **[OK]** button after the “Safely Remove Hardware” message appears.
  In Windows XP, disconnect the USB connector after the “Safely Remove Hardware” message appears.

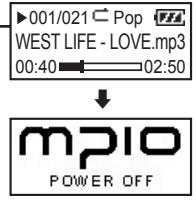
To Play Music (Turning Power ON)

Navigation screen will appear by pressing longer ▶II button after turning the player on with a logo screen.
Select file you wish to playback. Press the ▶II button to play music. For more details of 'how to move folders or files, see 'Using the Navigation' in page 30.



To Stop (Turning Power OFF)

Press the ▶II button to pauses during playback and it is automatically turned-off if there is no any further operation for 3 minutes. (In case default setting)
It is automatically turned off if the ▶II button is pressed longer during playback as well.



Note

- In the menu, you can change the time settings for **Auto Power Off**. (See page 45)
- After turning on the power, if you don't want the navigation screen to come up, change the setting to **Auto Play** in the menu. (See page 42)

Searching for The Desired Section During Playback

During play, hold down the ⏮/⏭ button to find the part you want to listen to. When you remove your hand from the pressed button, it plays automatically.

Searching for The Desired File During Playback

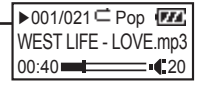
Press the ⏭ button to play the next track.
When you press the ⏮ button less than 10 seconds after starting playback, it goes to the previous track, if you press the ⏮ button 10 seconds after playback begins, its plays from the current track.

Searching for The Desired File During Pausing

During pausing, if you press the ⏮/⏭ button, you can move to the previous/next track.
Press the ▶II button to play the file.

If you want to adjust the volume

During playback or pausing, you can adjust the volume by pressing the +/- button.
You can adjust the volume from 00~40. If you press the button, it adjusts one step; if you hold the button down, it adjusts continuously.



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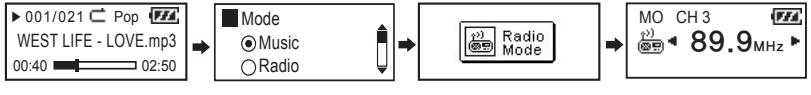
■ Changing Modes

1. Hold down the **MENU** button during music playback.
2. Press the ⏮/⏭ button after selecting the **Mode** with the ⏯ button.
3. After selecting the desired mode **(Music ↔ Radio)** with the ⏮/⏭ button, change the mode by pressing the ⏯ button.

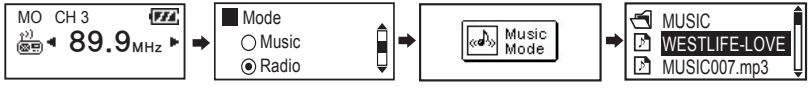
Note

- The **Recorder** function in the mode only works in the voice recording (See page 29) and radio recording (See page 33) modes, therefore the record function doesn't work when changing the mode while playing music.

The Screen changed from play back mode to FM radio mode.



The Screen changed from FM radio mode to playback mode.

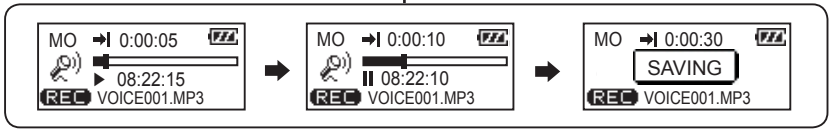


■ Voice Recording

1. Hold down the **MENU** button during music pausing.
   - You cannot voice record while music is playing.
2. Press the ⏮/⏭ button after selecting the **Mode** with the ⏯ button.
3. Voice recording starts after selecting **Recorder** with the ⏮/⏭ button and pressing the ⏯ button.
   - During voice recording, if you press the ⏯ button, recording is paused, press the ⏯ button again to continue recording.
4. If you press the **MENU** button, it ends after saving the recording.

Note

- The files will be stored in order of VOICE001, VOICE002, etc. And it will be stored in the RECORD folder as a MP3 file.
- When storing the voice recording files, recording wills stop automatically if there aren't sufficient memory space.
- The voice recording memory is limited to 64MB for each. In case the volume of any voice recording is more than 64MB, the file being recorded is automatically saved and it continues recording by creating a new file. To operate this, it needs around 2 seconds and during that period(2seconds), voice recording stops.
- You can set the sound quality for the voice recording. (See page 39)



Usage

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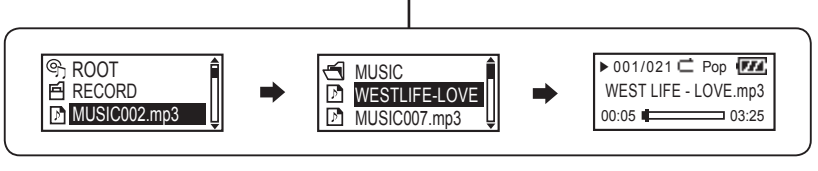
■ Using the Navigation

You can search for the desired file or folder easily using the navigation.

1. During playback or pausing, if you press the **MENU** button it moves to navigation mode.
   - The file list screen comes up on the LCD window.
2. Select the file you want to play.
   ▶▶I : Moves to the file below.
   I◀◀ : Moves to the upper file.
   ▶II : In the folder, it moves to the sub-folder but it plays selected file in the file list.
   MENU: Moves to the upper folder.
3. If you press the ▶II button, it plays the selected file.

Note

- During playback or pausing, after you hold down the **MENU** button, you can use the navigation function to select the **Browser** with the I◀◀ / ▶▶I button.



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■ Listening to the Radio

The earphones work as an antenna, so please connect them before using.
First see page 28, then switch to Radio mode.

Manually Searching the Frequency (Scan mode)

If you press the I◀◀ / ▶▶I button, you can change to the desired frequency.

Automatically Searching the Frequency (Scan mode)

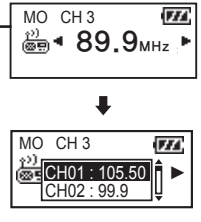
After holding down the I◀◀ / ▶▶I button, when you take off your hand it stops at the next frequency.

Note

- The frequency movement unit is different depending on the menu settings **Radio ↔ Seek Step**. (See page 40)

Saving Channels

- While listening to the radio, if you press the **MENU** button, the save channel screen appears.
- After selecting the channel number to save with the I◀◀ / ▶▶I button, save the frequency with the ▶II button.



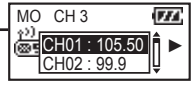
Note

- You cannot save identical frequencies.
- If the battery is low, it doesn't go to radio mode.
- A saved radio channel cannot be deleted; but you can save a new channel over a channel that has already been saved. (Please see page 32 on changing a saved frequency.)
- You can save up to 20 channels.

Changing a saved frequency

You can change an already saved channel to another frequency.

- At a new frequency, if you press the **MENU** button, the save channel screen appears. Press the ▶II button after selecting the saved channel number.
- When saving a frequency, if you have an already saved frequency at a channel number, the previous frequency is deleted and the new one is saved.



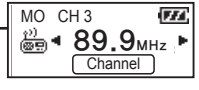
Listening to a Saved Frequency (Channel mode)

If you press the ▶II button, you can change receive mode **Scan** ↔ **Channel**.

Press the ▶II button to select the **Channel** mode.
Whenever you press the ⏮/⏭ button, you can go between the saved frequencies (channels). You can listen to the selected channel.

Note

- If there aren't any saved frequencies (channels), **NO CHANNEL!** message will appear on the screen and the device will remain in SCAN mode.



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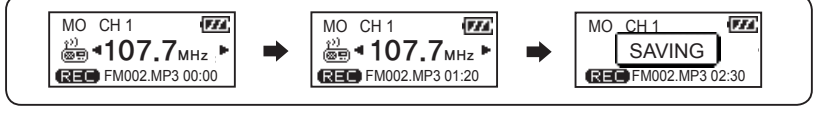
1. While listening to the radio, hold down the **MENU** button.
2. Press the ⏮/⏭ button after selecting the **Mode** with the ▶II button.
3. Radio recording starts after selecting **Recorder** with the ⏮/⏭ button and pressing the ▶II button.
   - During radio recording, if you press the ▶II button, recording is paused; press the ▶II button again to continue recording.
4. If you press the **MENU** button, you end after saving the recording.

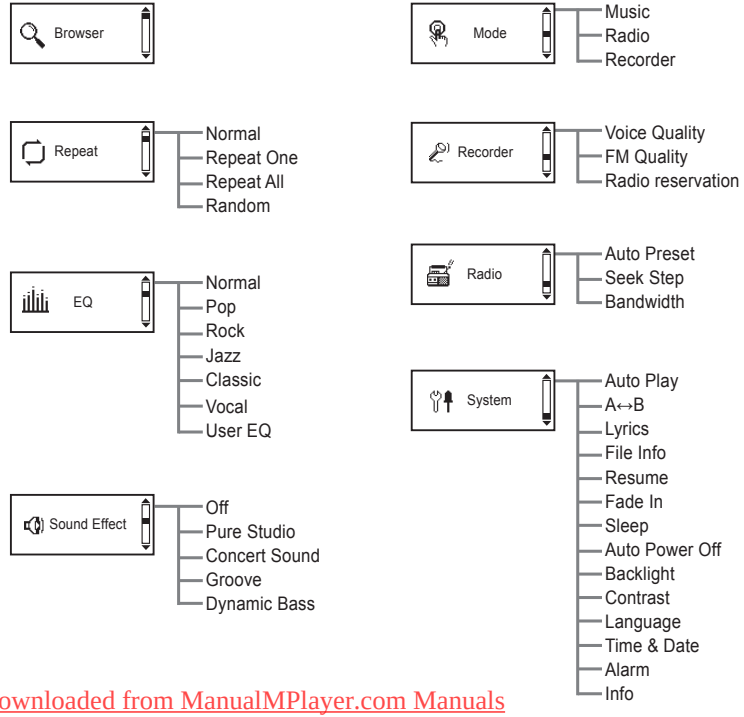
Note

- The files will be stored in order of FM001, FM002, etc. And it will be stored in the RECORD folder as a MP3 file.
- When storing the radio recording files, recording wills stop automatically if there aren't sufficient memory space.
- The radio recording memory is limited to 64MB for each. In case the volume of any voice recording is more than 64MB, the file being recorded is automatically saved and it continues recording by creating a new file. To operate this, it needs around 2 seconds and during that period(2seconds), voice recording stops.



■ Menu Structure

The menu structure can be different for the convenient use and improvement with firmware upgrades.



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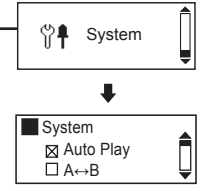
■ Menu Operation

Moving in the menu

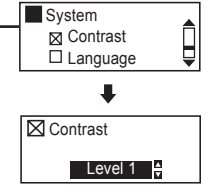
Hold down the MENU button to enter the menu.

- Move to the menu list with the ⏮ / ⏭ button, and enter the menu list with the ⏯ button.



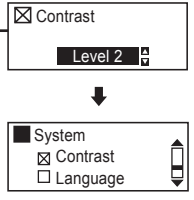
Entering the submenu

- Move to the submenu with the ⏮ / ⏭ button, and enter the setting screen in the submenu with the ⏯ button.



Saving the settings

- You can change the settings with the ⏮/⏭ button; save the settings with the ⏯ button. After saving the settings, move to the previous menu.
- If you press the **MENU** button, you cannot save the settings, you will leave the screen.

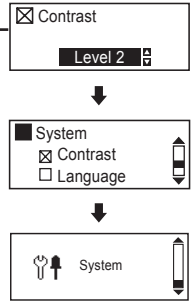


Leaving the submenu

- Press the **MENU** button to go to upper menu, and you will leave the submenu eventually.

Note

- If there is no button input in menu mode, menu mode is cancelled after 3 seconds.



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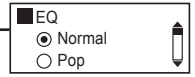
Setting EQ

You can enjoy by setting the volume to your personal preference.

- Select the **EQ** you from the menu.

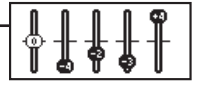


Note

- EQ Change Order
  Change in order of: Normal (NOR) → Pop (POP) → Rock (ROCK) → Jazz (JAZZ) → Classic (CLA) → Vocal (VOC) → User EQ (USER).

When set to user EQ settings,

You can enjoy your own sound effects by setting the EQ to the each frequency bandwidth that you prefer.



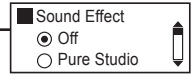
- Choose **User EQ** in the EQ list.
  The user EQ settings screen comes up.
- ⏮/⏭: Adjusts frequency band setting.
- ⏯: Moves to next frequency band and save all frequency band settings when complete.
- **MENU**: Moves to previous setting item.
  When pressed after moving to the first setting item, setting will be canceled without being saved.

Setting Sound Effects

This device supports a Spatializer UltraMobile HD with 3D sound effects, and the Spatializer gives off abundant sound effects on mobile audio devices.
Comprised of Natural Headphone, 3D Stereo, PCE, and Vi.B.E, and the selected 3D Sound effects apply to the applicable sound.

- Please select **Sound Effects** from the menu.

Pure Studio: Natural Headphone
Concert Sound: 3D Stereo
Groove: PCE
Dynamic Bass: Vi.B.E
Natural Headphone: You can enjoy the vivid surround sound that makes you feel like you are in a theater.
3D Stereo: You can enjoy 3D sound effects.
PCE: You can enjoy very clear treble.
Vi. B. E: You can enjoy true bass sound.

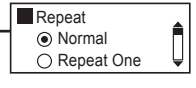


Setting Repeat

The user can set to the desired play setting.

- Please select **Repeat** from the menu.

Normal (⇄): It plays music files including folders once.
Repeat One (⇄1): Plays one track repeatedly.
Repeat All (⇄A): Plays all music files continuously.
Random (⇄): Plays all music files in random order.



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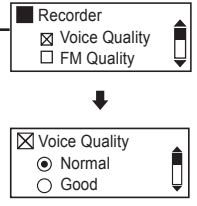
Setting the Voice Quality / FM Quality

You can set the voice recording and radio recording quality.

- Please select **Voice Quality** or radio **FM Quality** from the **Recorder** menu.
- You can choose between **Normal**, **Good**, and **Best**.

Note

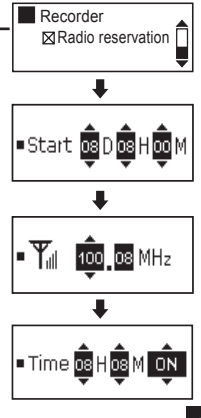
● The higher the sound quality is set, the greater the file size will be.



Radio reservation Recording

It schedules radio recording time.

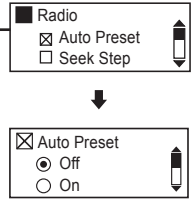
- Please select **Radio reservation** from the **Recorder** menu.
  When choosing Radio reservation, the settings windows as the ones on the right comes up in order.
- ⏮ / ⏭ : Adjusts setting.
- ⏯ : Moves to next setting and also the next setting screen. Save all settings for time, frequencies, scheduled recording, etc.
- **MENU**: Moves to previous setting item.
  When pressed after moving to the first setting item, setting will be canceled without being saved.



Saving Auto Preset

The earphones work as an antenna, so please connect them before using. First see page 28, then switch to radio mode and set.

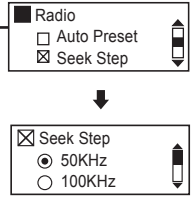
- Please select **Auto Preset** from the **Radio** menu.
- **Off**: You cannot set auto channel save.
  On: You can delete an already saved channel and save the frequency that can be received in order.



Setting Seek Step

You can set the radio's frequency movement unit.

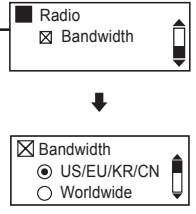
- Please select **Seek Step** unit from the **Radio** menu.
- You can set the unit to **50KHz** or **100KHz**.



Setting Bandwidth

You can set the receiving broadband of the radio to receive.

- Please select **Bandwidth** from the **Radio** menu.
- You can set to **US/EU/KR/CN**, **Worldwide**, and **Japan**.



Frequency Broadband List by Country

US/EU/KR/CN	87.5MHz ~ 108MHz
Worldwide	76MHz ~ 108MHz
Japan	76MHz ~ 92MHz

Usage

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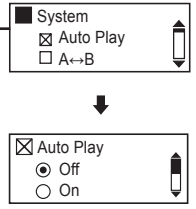
Setting AutoPlay

You can set a file to Auto Play.

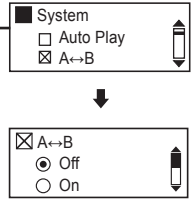
- Please select **Auto Play** from the **System** menu.
- **Off**: When you turn the device on, the navigation screen appears, and if you press the ▶II button, it plays music.
  On: When you turn the device on, the music automatically plays.



Setting A↔B Repeat

While in play, you can set a file to repeated loop.

- Please select **Repeat** from the **System** menu.
- **Off**: Cancels loop repeat settings.
  On: If you press the **MENU** button, you can set a repeat mode.
- While the file is in play, if you press the **MENU** button the repeated loop's starting point (A →) is set, and at the repeated loop's end point, pressing the **MENU** button again will set the end point (A↔B).
  - Plays the (A↔B) loop repeatedly.
  - While the loop is repeat playing, pressing the **MENU** button again will cancel the repeated loop.



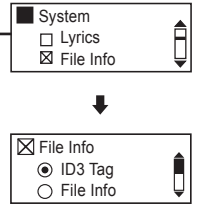
Setting File Information

Set information for music files to be displayed on the LCD.

- Please select **File Info** from the **System** menu.
- **ID3 Tag:** If the file contains Tag information, the ID3 Tag information will be displayed.If there are no tag information, only the file name will be displayed.
  File Info: Even if the file contain Tag information, only the file name will be displayed.

Note

- All 55 languages in the Language Settings support ID3 Tag information. For all tracks without Tag information, the file name will be displayed.



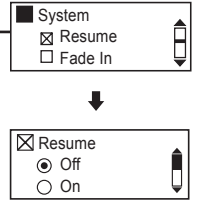
Setting Resume

After turning on the device, you can set it so that the last file played before ending is played upon startup.

- Please select **Resume** from the **System** menu.
- **Off**: Plays the file played from the beginning before ending.
- **On**: Plays the file from the point where it stopped before ending.

Note

- When auto-play is set to **On**, the memory play operates.



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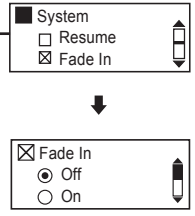
Setting Fade In

When a file is in play, you can set it so that the volume slowly rises.

- Select **Fade In** settings from the **System** menu.
- **Off**: When the file starts playing again, it plays with the set volume.
  On: When the file is in play, the introduction of the volume gradually rises as it plays.



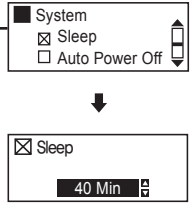
Setting Sleep

While the file is in play or listening to FM, you can set the time so that it shuts off automatically after the scheduled time.

- Please select **Sleep** from the **System** menu.

Note

- You can set the scheduled shut off time from 10~120 minutes, and choose "**Off**" when you don't want the settings.
- When turning off the device and turn it back on, the scheduled shut off setting is canceled.



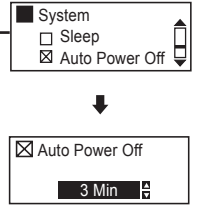
Setting Auto Power Off

The device automatically shuts off if the device is inoperative or no buttons are pressed for a setup amount of time.

- Please select **Auto Power Off** from the **System** menu.

Note

- You can set the auto-shut off time from 3-15 minutes, and choose "**Off**" when you don't want the settings.



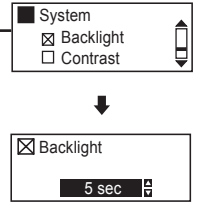
Setting the Backlight

You can set the amount of time that the backlight is on.

- Please select **Backlight** from the **System** menu.

Note

- You can set the lighting time from **5~20** seconds, and choose "**Off**" when you don't want the settings.
- When it is set to **Always on**, it will use lots of battery therefore it will affect the play time, and when there is insufficient battery, the backlight will not come up.



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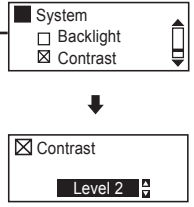
Setting Contrast

You can set up the contrast of the LCD window.

■ Please select **Contrast** from the **System** menu.



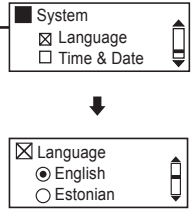
Note

- You can set up the contrast from 1~3.

Setting the Language

You can confirm the music file information using the ID3 tag information.
A total of 55 languages support ID3 tag; out of 55 languages **English**, **Korean**, **Chinese (simplified)**, **Chinese (traditional)**, and **Japanese** support ID3 tag and the menu language.

■ Please select **Language** settings from the **System** menu.



Note

- In the language settings, if you select **Chinese_S**, **Chinese_T**, **English**, **Japanese**, or **Korean**; you can confirm the menu language change.
- If the music has no tag information, the file name will be displayed without regard to setting.

Setting the Time & Date

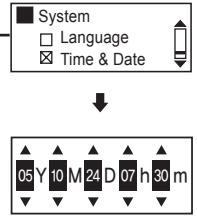
It sets the current date and time.

■ Please select **Time & Date** from the **System** menu.

■ ⏮ / ⏭ : Adjusts setting.

■ ⏯ : Moves to next setting and save all settings for year, month, day, hour, minute, etc.

■ **MENU**: Moves to previous setting item.
When pressed after moving to the first setting item, setting will be canceled without being saved.



Setting Alarm

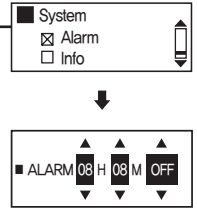
It sets the time the alarm goes off.

■ Please select **Alarm** from the **System** menu.

■ ⏮ / ⏭ : Adjusts setting.

■ ⏯ : Moves to next setting and save settings for hour, minute, etc.

■ **MENU**: Moves to previous setting item.
When pressed after moving to the first setting item, setting will be canceled without being saved.



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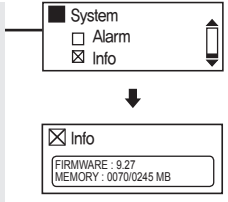
Checking Information

You can view the firmware version that is saved on the system, the memory size in use, and the total memory size.

- Please select **Info** from the **System** menu.
  You can confirm the system's information.



You can format FL400 from a Windows PC using MPIO Utility.

1. Turn on the device and connect the device to the computer with the USB connector.
2. Double-click **MPIO Utility** icon in your desktop.
3. Click the **[Format & Config]** button.

4. Click the **[OK]** button.

5. Click the **[Start]** button.

6. Click the **[OK]** button.

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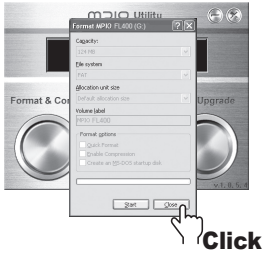
7 When formatting is complete, click the **[OK]** button.

8 Click the **[Close]** button.



9 Click the **[OK]** button after the "Safely Remove Hardware" message appears as shown.

10 After clicking the **[OK]** button, **Format & Config** (Default Setting Restoration) is complete.
You may separate the device from the PC.

Note

- The captured screens of MPIO Utility may vary for the user's PC environment.
- MPIO Utility cannot be run under MAC OS.
- For information regarding MPIO Utility installation, refer to [Installing the software] on page 17.

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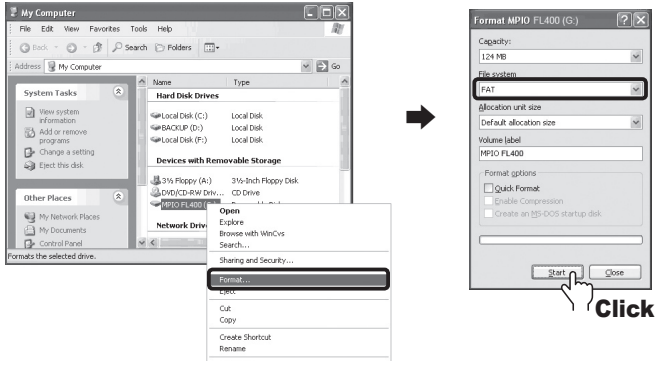
Follow the instructions when formatting FL400 using a Windows PC without MPIO Utility.
Using MPIO Utility is recommended for formatting the device.

1 Select the Removable Disc icon. Click your right mouse button and select "**Format**". Click the **[Start]** button.



Note

- When formatting the device using the Windows format Command, it must be formatted in FAT or FAT16. To use the device after it has been formatted, the default settings must be restored using MPIO Utility.
  See page 52 [Storing Default Settings] for more information.
- The captured screens of MPIO Utility may vary for the user's PC environment.

Caution

- The files in FL400 WILL BE LOST after formatting.

■ Storing Default Settings

When FL400 has been formatted using the Windows FORMAT Command (FAT or FAT16), the default settings must be restored using MPIO Utility's Setup Config function.

1. Turn the power of FL400 ON and connect it to a computer using a USB connector.
2. Double-click **MPIO Utility** icon in your desktop.
3. Click the **[Setup Config]** button.

4. Click the **[OK]** button.

5. Click the **[OK]** button after the Safely Remove Hardware message appears as shown.

mpio Utility
Safe To Remove Hardware
The 'USB Mass Storage Device' device can now be safely removed from the system.
OK
Click

6. After clicking the **[OK]** button, **Setup Config** (Default Setting Restoration) is complete. You can unplug the device from the PC.

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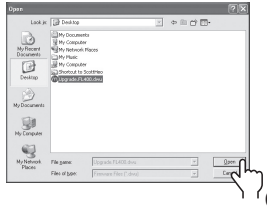
■ Upgrading Firmware

The files in FL400 will be lost after upgrading firmware.
See page 17 [Installing the software] for information on how to install MPIO Utility.

1. Download the firmware from MPIO web site and save it on the PC. (www.mpio.com)
2. Turn the power of FL400 ON and connect it to a computer using a USB connector.
3. Double-click **MPIO Utility** icon in your desktop.
4. Click the **[F/W Upgrade]** button.

5. Click the **[OK]** button.

6. Select the downloaded Upgrade.FL400.dwu file in the **[Browse]** window and then, click the **[Open]** button.



Note

- The firmware upgrade file downloaded from the MPIO web site is a compressed file, and you can upgrade the device through the MPIO Utility. Please use the utility when upgrading the firmware.

7 Click the **[OK]** button after the Hardware Safely Removed message appears as shown.

mpio Utility
Safe To Remove Hardware
The 'USB Mass Storage Device' device can now be safely removed from the system.
OK
Click

8 After clicking the **[OK]** button, the first part of **firmware upgrade** is complete.

9 Firmware is automatically upgraded when the device is unplugged from your PC.
When the firmware upgrade is complete, FL400 will be turned OFF automatically.

Caution

- Please be aware if you apply external shock or the battery is low while the player is upgrading the firmware, it can cause product breakdown or malfunction.

Upgrading Firmware in Macintosh

The files in FL400 will be lost after upgrading firmware.

1 Download the firmware upgrade for Macintosh at MPIO web site, uncompress it and save it on the computer. (www.mpio.com)

2 Turn the power of FL400 ON and connect it to a computer using a USB connector.

3 Save the firmware upgrade file (Image.dat, Player.rom, and Upgrade.axf) in FL400.

4 Separate FL400 from the computer.

5 Firmware is automatically upgraded when the device is unplugged from your PC.
When the firmware upgrade is complete, FL400 will be turned OFF automatically.

Note

- To upgrade the firmware, there must be 10MB of free memory space in FL400's memory.
- Formatting FL400's memory using Macintosh PC is not recommended. To format FL400, please contact the customer support center.
- The firmware upgrade file for Macintoshes is compressed using stuffit. When you extract the compressed file, you can confirm the firmware upgrade files and read me files (.txt).
- Causing outer impact on FL400 or lack of battery during firmware upgrade may cause a malfunction.

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I cannot turn on the player.

- When the battery is used up, the device will not turn on.
  Charge, and then turn on device.

I cannot hear any sound or, I can hear noise.

- Check the sound volume.
- Your player may be influenced by the neighboring electrical device.
- If the music file is damaged, noise or sound interruption can occur.

Letters on the LCD look broken.

- Change the menu settings [Languages] to English. (See page 46)
  If there is any problem that you could not solve, please send an inquiry to the customer support center. However, some special symbols or fonts can be corrupted.

I can see that some memory is used but no saved file is found.

- Execute the [Format & Config] command using MPIO utility. (See page 49.)
  If you run the above command, all files in the product will be removed.
  You can check the data file only when the player is connected to the PC.

I can hear noise and cannot set the broadcasting channel when I listen to the radio.

- Your player may be influenced by the neighboring electrical device. Secure enough distance.
- The earphone plays a role of an antenna when listening to the radio. Therefore, reception sensitivity can be deteriorated if you don't use an earphone. Of, FM reception may be poor in some area. Please understand that.

I cannot download the file from the PC

- Connection to the PC using the extension cable or USB hub cannot be guaranteed.
- Make sure to use the USB connector provided with the product as an accessory when connecting the player to the PC.

FL400 suddenly stops and something seems wrong.

- If the remaining charge is not enough, it may not set up functions properly. Please check the remaining charge.

Upgrading the firmware is too hard.

- Try using the bundled MPIO utility. Macintosh users can just copy the provided file into FL400.

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■ Product Specifications

Dimensions		46(W) × 28(H) × 13.5(D)/mm
Weight		25.5g
Display(LCD)		128×48 Full Graphic LCD
Memory		256MB / 512MB / 1GB / 2GB
Decoding		MPEG 1/2/2.5 Layer3, WMA, OGG
Voice Recording		MP3
Audio	Frequency Range	20Hz ~ 20kHz
	S/N ratio	90dB
	Output Power	15mW/Channel (Europe : 6mW/Channel)
FM Radio	Frequency Band	76 ~ 108MHz
	S/N ratio	50dB
	FM Recording	MP3
Languages	Menu Languages	English, Korean, Japanese, Chinese(simplified), Chinese(traditional)
	Supported Languages (ID 3 Tag Languages)	55 Languages supported
PC Interface	PC Interface	USB 2.0 (High Speed)
	Supported OS	Windows 98 / SE / ME / 2000 / XP
		Mac OS Version 9.2 or later.
	Removable Disk	Supported
Battery	Type	Lithium polymer Rechargeable Battery
	Battery life	About 9 hours (based on 128kbps MP3 file)
Operating Temperature		0˚C ~ 40˚C

Note

- The actual memory available to use may differ from the product's memory capacity due to the logical file system.
- The data transmission speed may differ depending on the user's PC specifications.
- PC connection using USB Hubs or extension cables is not guaranteed.
- The contents of this manual can be changed without a prior notice for continuous performance improvement and additional function supplementation in the future.

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■ Memo